

## **IN THE CLAIMS:**

Please amend the claims as follows:

Claim 1 (currently amended): A Lightweight sprocket, characterized in, that the sprocket consists of a central portion (1) made from a light metal alloy, to which a peripheral toothed portion (2) made from ferrous alloy is joined, using rivets (3) for joining said portions (1,2), where said joining is created between a plurality of radial beams (21) ~~of integral with~~ the peripheral toothed portion (2) and a plurality of ~~pocket-like recess~~ recesses (13) in the central portion (1), radial beams (21) being overlapped across bottoms of ~~pocket-like~~ recesses (13), and where a thickness of radial beams (21), at least over the joining area, is decreased by 10 to 60%, in relation to full thickness of said toothed peripheral portion (2), and a thickness of a bottom of the ~~pocket-like recess~~ recesses (13) in the central portion (1) is decreased by 20 to 70%, in relation to full thickness of the central portion (1) of the sprocket.

Claim 2 (currently amended): A Lightweight sprocket, according to claim 1, characterized in, that a ~~centring~~ centering of the peripheral toothed portion (2) in relation to the central portion (1) acts over an outer circumference of the central portion (1) of said sprocket.

Claim 3 (currently amended): A Lightweight sprocket, according to claim 2, characterized in, that rivets (3) for joining the central portion (1) with the peripheral toothed portion (2) are made of titanium alloy or stainless steel alloy.

Claim 4 (currently amended): ~~A Lightweight~~ sprocket, according to claim 3, to characterized in, that a side clearance between the side wall 17 of radial beams (21) of the peripheral toothed portion (2) and the circumferential walls (15) ~~side walls~~ of the pocket-like recesses (13) of the central portion (1) is from 0,5 to 10% of the rivet (3) shank diameter.

Claim 5 (currently amended): ~~A Lightweight~~ sprocket, according to claim 4, characterized in, that lightening openings (14) are created in the central portion (1) of the sprocket.

Claim 6 (currently amended): ~~A Lightweight~~ sprocket, according to claim 5, characterized in, that at least a circumferential strip is created between said lightening openings (14) and the outer circumference of the central portion (1), where the thickness of said strip, in radial direction, is at least 50% of the full thickness of said central portion (1).

Claim 7 (currently amended): ~~A Lightweight~~ sprocket, according to claim 6, characterized in, that a wall is created between the lightening openings (14) and the ~~pocket-like~~ recesses (13) of the central portion (1), where a height of said wall is the same as the full thickness of said central portion (1) and a width of said wall is at least 50% of the full thickness of said central portion (1) of the sprocket.

Claim 8 (new): A sprocket, according to claim 1, characterized in that the radial beams (21) include side walls (17).

Claim 9 (new): A sprocket, according to claim 1, characterized in that the pocket recesses (13) include circumferential walls (15).

Claim 10 (new): A sprocket, according to claim 1, characterized in that the radial beams (21) include side walls (17) and the pocket recesses (13) include circumferential walls (15).